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JP 60-40125

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File: DWPI

Mar 2, 1985

DERWENT-ACC-NO: 1985-090471

DERWENT-WEEK: 198515

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TITLE: Curing epoxy! cpd. e.g. for coating - using polyphenol salt of 2-substd. imidazoline

PATENT-ASSIGNEE:

ASSIGNEE

SHIKOKU CHEM IND CO LTD

CODE

SHIJ

PRIORITY-DATA:

1983JP-0148611

August 13, 1983

PATENT-FAMILY:

PUB-NO

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JP 87024006 B

PUB-DATE

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APPLICATION-DATA:

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JP60040125A

APPL-DESCRIPTOR
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INT-CL (IPC) : C08G 59/62

ABSTRACTED-PUB-NO: JP60040125A
BASIC-ABSTRACT:

Epoxy cpd. having more than 1 epoxy gp. is cured using 2-40 phr of polyphenol salt (I) of 2-substituted imidazoline (based on 100 pts.wt. epoxy cpd) as curing agent or accelerator.

Pref. (I) is prep'd. by contacting polyphenol (III) and 2-substd. imidazoline (II) at high temp. 1/2 - 1 mol. of cpd. (II) (based on 1 equivalent of OH gp. in the polyphenol (III)) is used. (III) is pref. bisphenol-A, resorcinol, catechol or hydroquinone.

USE/ADVANTAGE - Epoxy cpd. can be cured at desired higher temp. (i.e. 60-240 deg.C) rapidly and efficiently. Compsn. comprising epoxy resin and (I) has improved storage stability. Compsn. has good electrical insulation property, adhesion and resistance to chemicals, and is used for coating material, insulating material or powder coating.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: CURE POLYPOXIDE COMPOUND COATING POLYPHENOL SALT SUBSTITUTE IMIDAZOLINE

DERWENT-CLASS: A21